

100 102 104 106 108

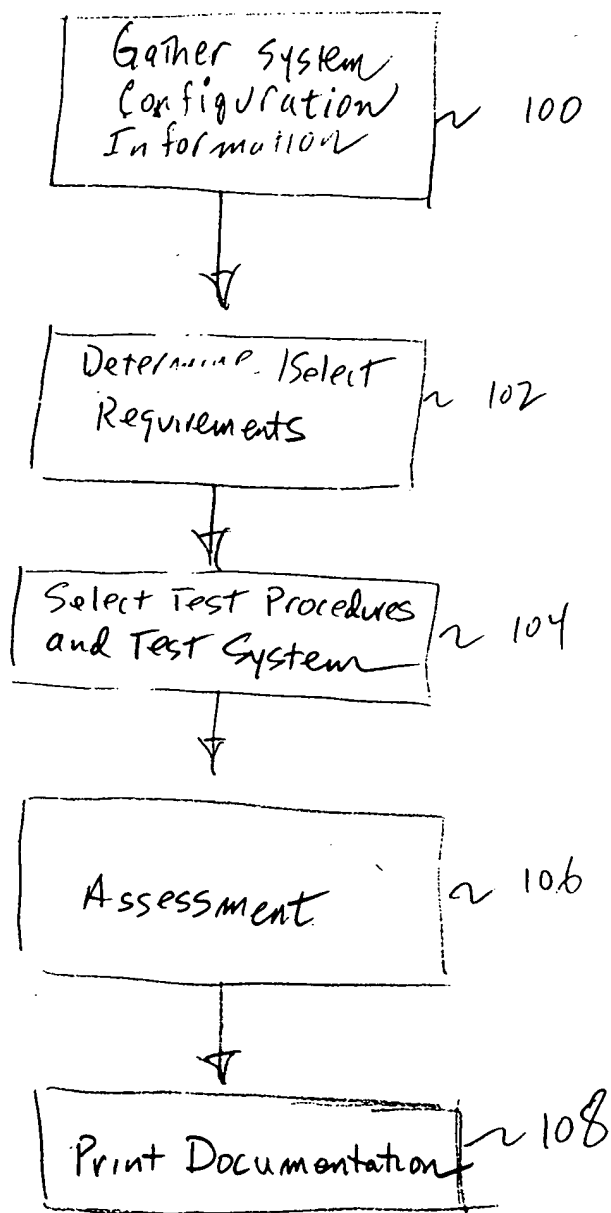



FIG. 1

1. Information Gathering	~ 100
2. Requirements Analysis	~ 102
3. Testing	~ 104
4. Risk Assessment	~ 106
5. Publishing	~ 108

FIG. 2



XACTA





Web Certification & Accreditation

- Step-by-step guidance
- Quick access to help and examples
- Easy update and edit information
- Test and analyze systems
- Save and publish documentation

Web C&A is a product designed to assist the security analyst in the development of documentation required for the accreditation of an automated information processing system (AIS).

The application will guide the analyst through the entire process of collecting information, making decisions based upon system type and applicable requirements, and publishing the documentation needed to achieve accreditation of the system.

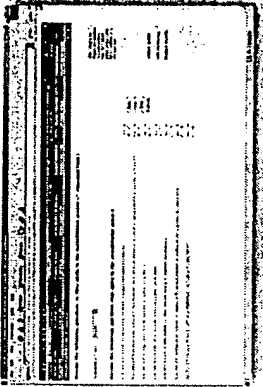
Web C&A follows the accreditation process defined by the DoD Information Technology Security Certification and Accreditation Program (DITSCAP).

Web C&A Login

Username:

Password:



XACTA

19886 Ashburn Road
Ashburn, VA 20147-2358
www.xcto.com

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FIG. 3

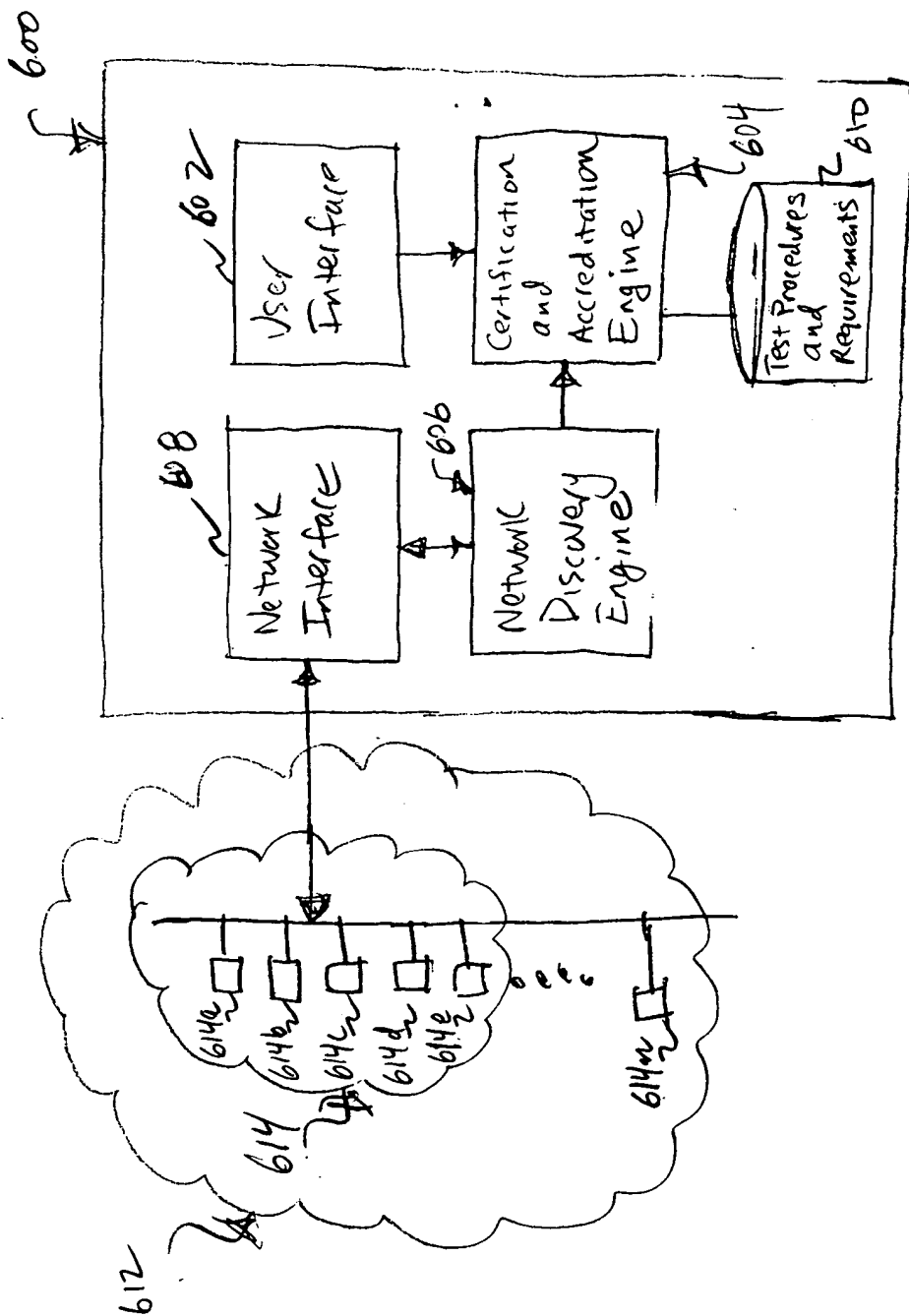


FIG. 6

FIG. 7

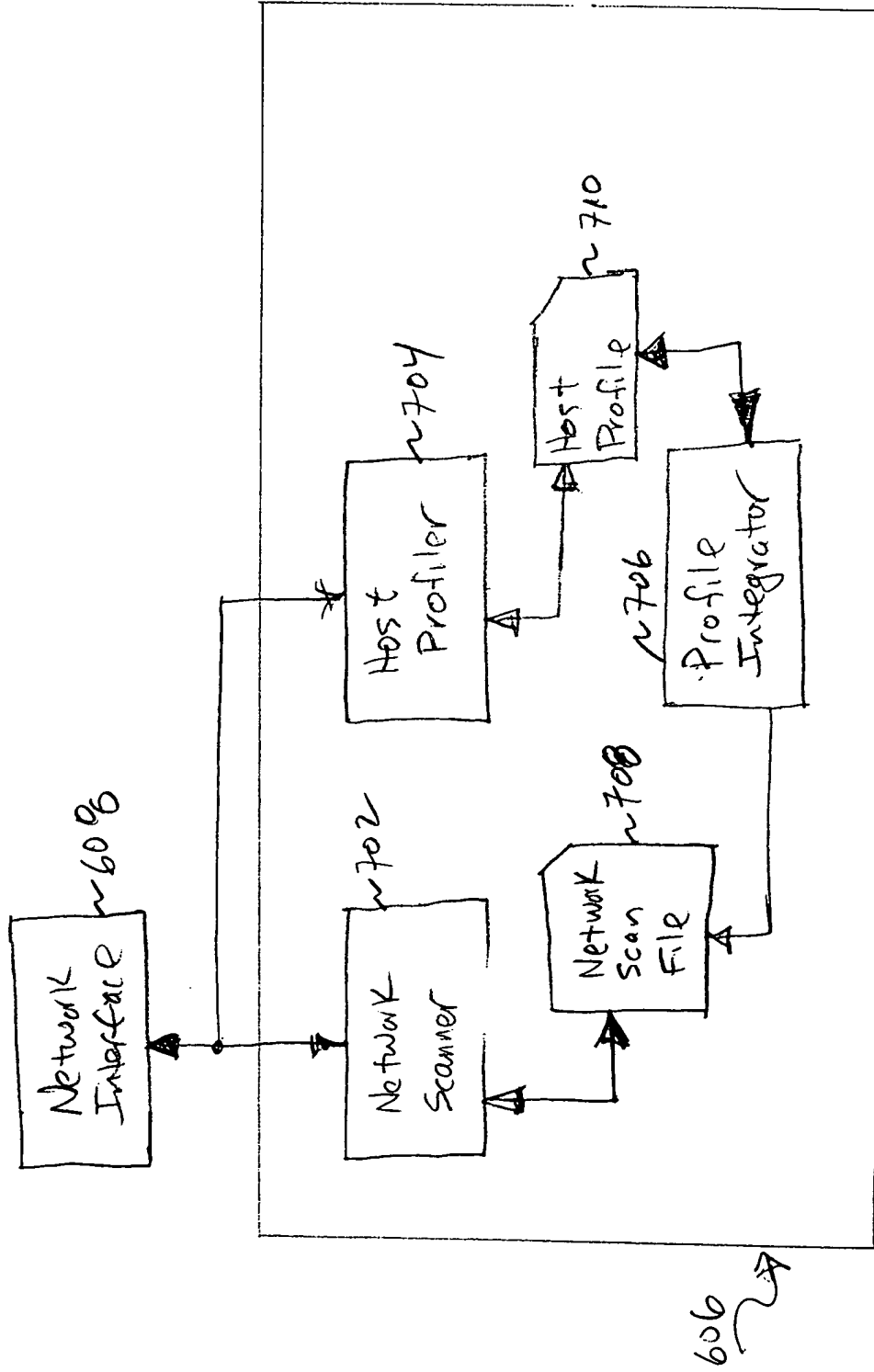


FIG. 7

802 ~ [Network]
802a ~ Name = Xacta

806 ~ [Segment]
807 ~ Name = Office

806a ~ Network = Xacta
806b ~ IPRange = 192.168.0.0-255
806c ~ ScanDate = 12-01-2000
806d ~ ScanDate = 12-15-2000

806

808 ~ [Host]
808a ~ IPAddress = 192.168.0.10
808b ~ MAC = 01 02 03 04 05 06
808c ~ Hostname = Banana
808d ~ OS = Windows 98
808e ~ Version = 2

810 ~ [Host]

810a ~ IPAddress = 192.168.0.20
810b ~ MAC = 01 02 03 08 00 09
810c ~ Hostname = Peach
810d ~ OS = Windows NT
810e ~ Version = 4.0
810f ~ Mfr = HP
810g ~ Model = Vectra XJ12
810h ~ CPU = Pentium II
810i ~ CPU Qty = 1
810j ~ CPU Speed = 400 MHz
810k ~ RAM = 128 MB
810l ~ Disk Space = 60 GB
810m ~ Software = Microsoft Office 8.0
810n ~ Software = Autocad 14.1
810o ~ Software = Adobe Acrobat 3.0
810p ~ Software = Roadhog 1.1

802
802a
806
806a
806b
806c
806d
808
808a
808b
808c
808d
808e
810
810a
810b
810c
810d
810e
810f
810g
810h
810i
810j
810k
810l
810m
810n
810o
810p

FIG. 8

900

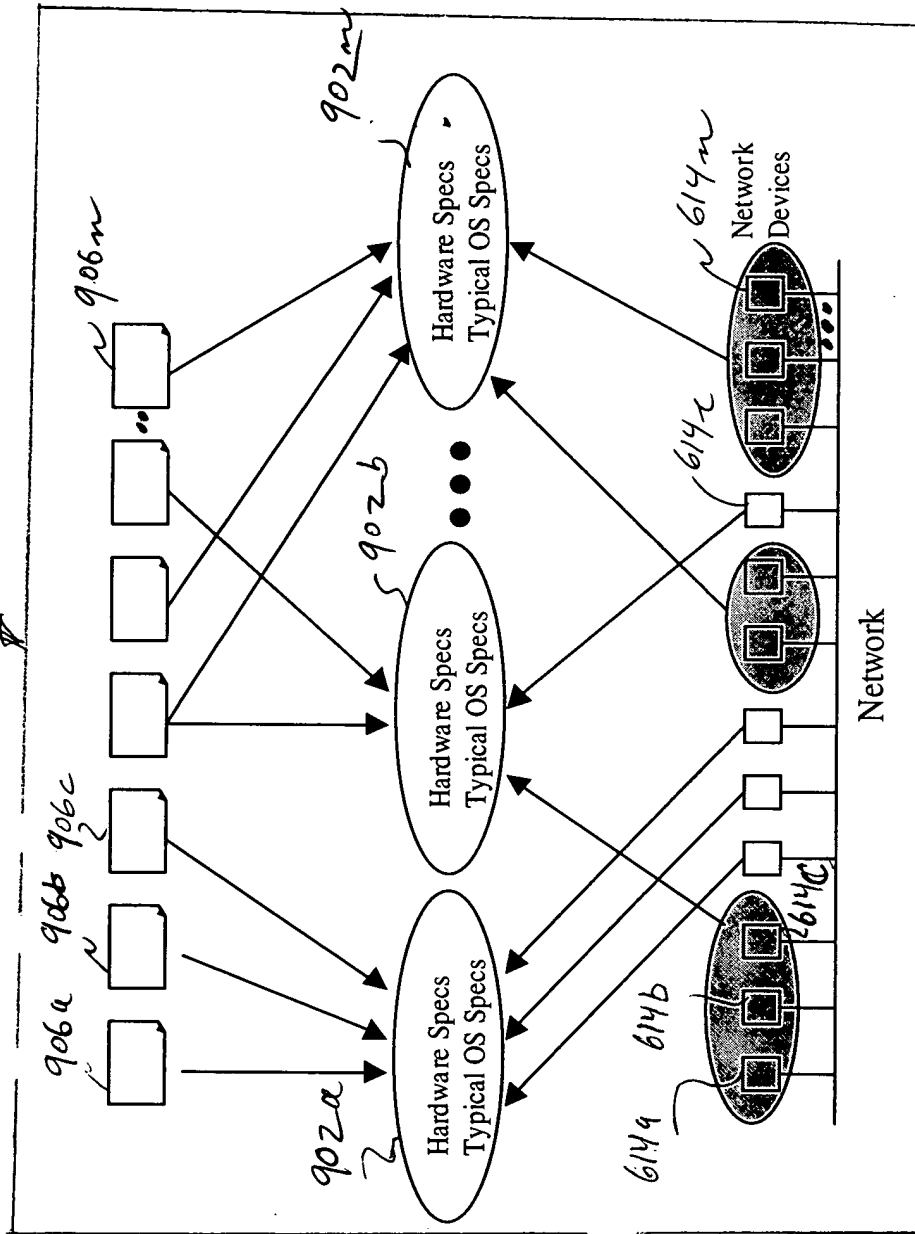


FIG. 9

Edit Platform Category - Microsoft Internet Explorer

Address: http://webdev:81/webca30/WebcaController?next=ModifyPlatformCategory&PlatID=1

XACTA XACTA WEB C&A™ 2001

I. Information Gathering II. Requirements Analysis III. Testing

PROJECT:
Test Web C&A 2001

STAGE:
I. Information Gathering

STEPS:

1. Project Definition
2. System Parameters
3. System Security
4. Project Personnel
5. Project Milestones
6. System Users
7. Platform Categories
8. Software Inventory
9. Equipment Inventory
10. System Interfaces
11. System Data Flow
12. Accreditation Boundary
13. System Environment

Edit Platform Category ☐ help ☐ examples

Platform Category: Product Development

Description: Product development Web server is use by PD for developing and testing web based solution for vertical market sales

Estimated Quantity: 3

Test Strategy: — Select One —

IP Address Range: 10.4.40.23 - 10.4.40.25

Hardware Specs

Hardware Family: Server

Manufacturer: Dell

Model: PowerEdge 1300

Serial Number: ZX24S

Location: Product Development Labor

Visual ID: WebDev

CPU Type: Intel pentium III CPU Number: Intel pentium CPU Speed: 700Mhz

RAM: 512 Meg

Disk Size: 18 GB

Disk Description: 2.9 Gigabyte SCSI-II Drives, No Raid

Other Storage: 60. Gigabyte Streaming tape system

Display: 19 inch KDS SVGA

Other Hardware:

FIG. 10

Provide . User Selected
and/or Computer Selected
Security Documents ~ 1102

~ 1104
Modify
Testing
Requirements?

Yes

No

~ 1106
Display
Selected
Test Procedure for
Modification

~ 1108
Modify Test Procedure
and Save

~ 1110
Modify
Another?

End

No

FIG. 11

Figure 12: XACTA Web C&A Interface

XACTA Corp. - Web ERA Requirements Analysis - Netscape

XACTA WEB C&A

PROJECT LIST

LOG OFF

1. INFO GATHERING

2. REQUIREMENTS ANALYSIS

3. TESTING

4. RISK ASSESSMENT

5. PUBLISHING

Generate Baseline SRPM

Display Current SRPM

Add Requirement

Project: MT Project One

Required / Held (*) - If applicable

Currently selected Security Regulation Documents

User Defined Requirement Exists

☐ Army Regulation (AR) 380-19 Information System Security ~1202

☐ DISC4 Procedural Guidelines for NIT ~1204

☐ DoD 5200.28-STD DoD Trusted Computer System Evaluation Criteria (Orange Book) ~1206

☐ DoD Directive C-5200.5 Communications Security (COMSEC) ~1208

☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C38) Security Configuration Policy (SCP) for Unix Hosts ~1210

☐ SECNAVINST 5239.3 DoN Information Systems Security (INFOSEC) Program ~1212

☐ CCIB 99-03123 Common Criteria for Information Technology Security Evaluation ~1214

☐ DISC4 Procedural Guidelines for Unix ~1216

☐ DoD Directive 5200.28 Security Requirements for Automated Information Systems (AUS) ~1218

☐ OPNAVINST 5239.19 Navy Information Assurance (IA) Program ~1220

☐ Program Engineering Office for Command, Control, and Communications Systems (PEO C38) Security Specification for ATCCS (BSA) ~1222

☐ US Army Dial-in Policy ~1224

Generate Baseline SRPM

Forward

Select applicable Regulation Documents and press Save.

Next click the Forward button on the status bar to continue on to the next step.

Requirements Analysis

Display Current SRPM

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FIG. 12

Xacta Corp. - Web CEA Requirements Analysis - Netscape

PROJECT LIST LOG OFF

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Generate Baseline SRTM Add Requirement

Project: INT Project One

Required (M) - If applicable

SRTM Publishing: Appendix E

Display Current SRTM

Display Current SRTM

Source Document Document Title Status Requirement Edit Delete

DoD5200.5	D.1	Protection of Transmitted Information	View Details	X	X
DoD5200.5	D.3	Use of NSA endorsed COMSEC products	View Details	X	X
DoD5200.5	D.4	Protection of Sensitive Information	View Details	X	X
OPNAV3238.1B	6	OPNAV Policy	View Details	X	X

Page 1 of 1

After Viewing and/or editing Requirements, click the Forward button on the status bar to continue on to the next step.

Requirements Analysis: Add Requirements

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Document Date

FIG. 13

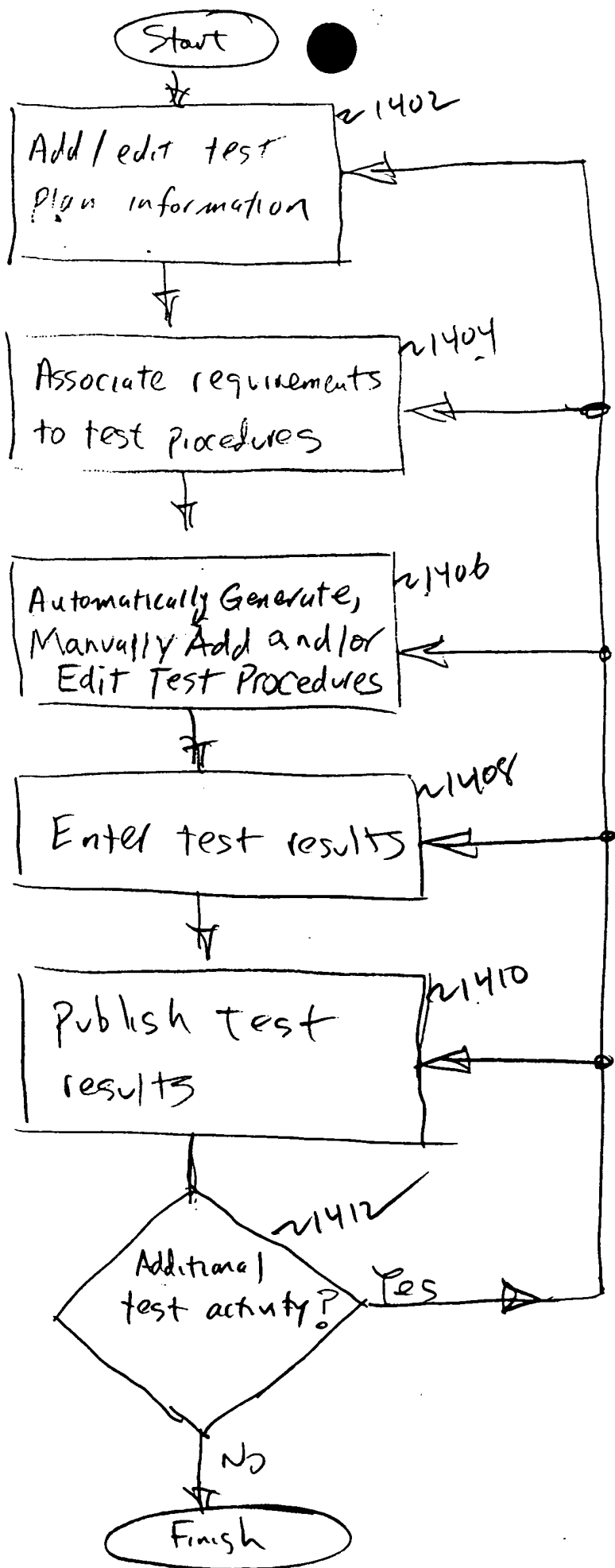


Fig. 14.

Xacta Corp. - Web CMA Testing - Microsoft Internet Explorer
 http://web.cma.com/Testing/Tools/TestPlan.asp

PROJECT LIST [] LOG OFF []
 [] 1. GATHERING [] 2. TESTING [] 3. PURSUITING
 Test Plan Info Associated Requirements Enter Test Results Security Check List

Project: user01
 Warning: Previously published sections related to "Edit Test Plan Info" must be re-published to reflect your changes.
 Required field (*) - If applicable

Test Group: [STRE]

Expected Date of Test: ~1502
 The Security Test and Evaluation (STSE) procedures will be executed from 1 May 2000 through 30 May 2000. The dates and expected completion are contingent upon the availability of the equipment, documentation, and domain personnel required.

Planned Location of Procedure: ~1504
 The STSE procedures entail a review of the available security documentation and the interviews of key development personnel. The procedures will be conducted at the home facility of the accreditation team members and the primary system development facility.

Test Resources: ~1506
 The following resources are required to complete the STSE procedures for the evaluation of the system:
 List of System Components
 List of system and security documentation

Test Personnel: ~1508
 The following test personnel are assigned to complete the system Security Test and Evaluation procedures:
 List of Accreditation Team members

Remarks: ~1510
 Additional remarks related to the conduct of the STSE procedures.

NEXT STEP: Training, Associated Requirements

Fig. 15

10

Fig. 16

05020000-010001

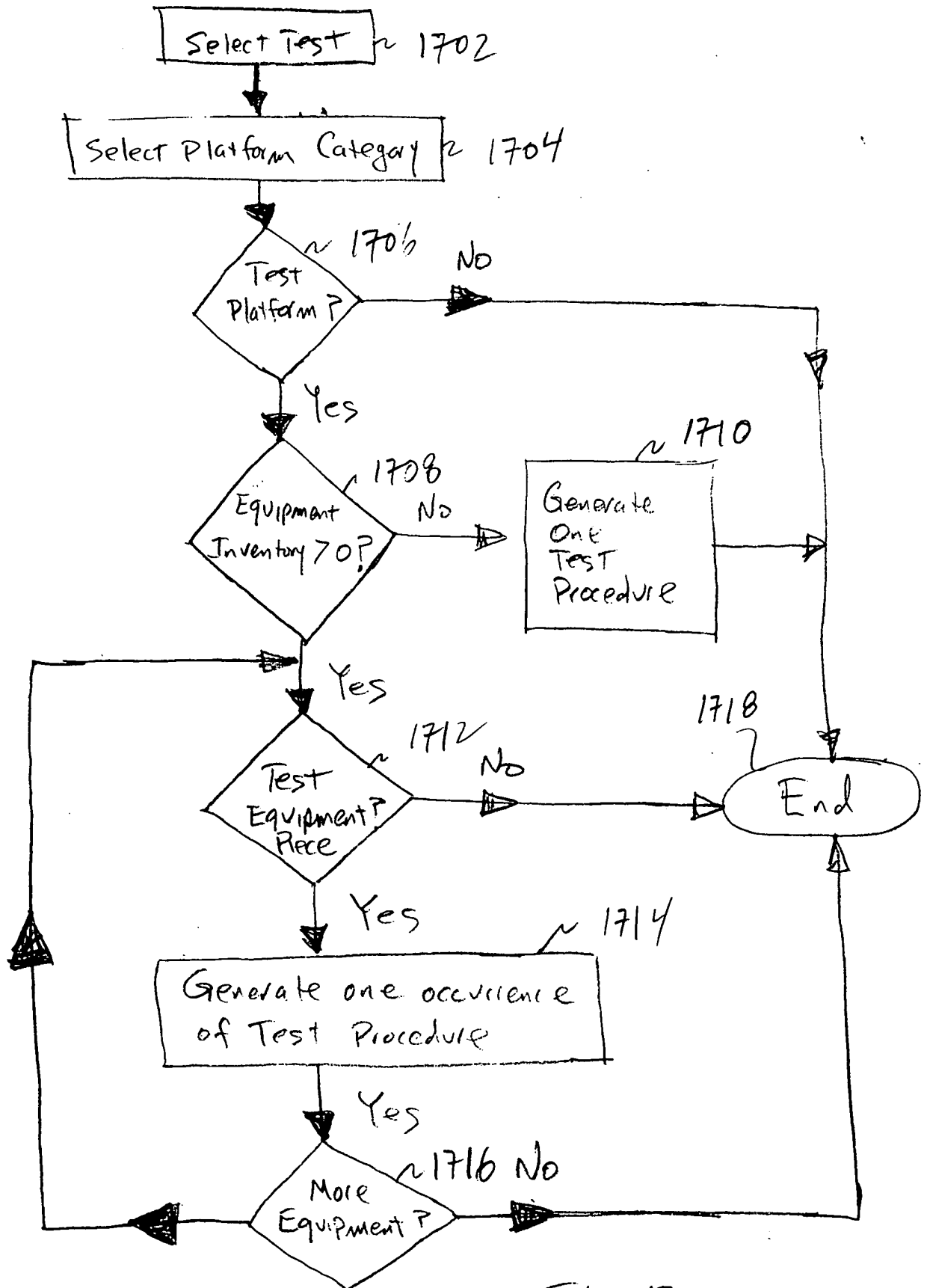


Fig. 17

[http://halba/webcal1/Test/webcam_CreativeTestProc.asp - Microsoft Internet Explorer](#)

File Edit View Favorites Tools Help
Address http://halba/webcal1/Test/webcam_CreativeTestProc.asp

XACTA WEB C&A PROJECT LIST [E] LOG OFF [X]

[I] INFO GATHERING [O] WEBSITES ANALYSIS [P] PUBLISHING
Test Plan Info Associate Requirements Test Procedures Enter-Test Results Security Check List

Project: user01 Add Test Procedure BACK <> FORWARD

Warning! Previously published sections related to "Add Test Procedure" must be republished to reflect your changes.
Required field () - If applicable.*

Associated Requirement: B8B9-B8BB-B8BB

Test Title *
Category *

Expected Result : ~ 1802

Test Procedure : ~ 1804

Expected Result : ~ 1806

Test Procedure : ~ 1810

Acknowledged
Assigned To Me
Completed
Next Step

Stepmap
Security Checklist

Fig. 18

[illegible]

Feb. 19

2002 2004 2006 2008 2010 2012 2014 2016 2018

Xacta Corp. - Web CAA Testing - Microsoft Internet Explorer

http://localhost:1111/TestWebCAATestPage.asp

PROJECT LIST **LOG OFF**

1. INFO GATHERING **2. REQUIREMENTS ANALYSIS** **3. TESTING** **4. RISK ASSESSMENT** **5. PUBLISHING**

Test Plan Info Associate Requirements Test Procedures Enter Test Results Security Check List

Project: Communications Planning System **Enter Test Results**

Required field (*) - If applicable

Test Group: CTAE **Appendix**

Test Case ID	Test Case Description	Test Case Status	Test Case Results	Test Case Comments
2002	Cannot log on directly as root from remote system/terminal	Pass	2002	2002
2004	Cannot log on directly as root from remote system/terminal	Pass	2004	2004
2006	Cannot log on directly as root from remote system/terminal	Pass	2006	2006
2008	Cannot log on directly as root from remote system/terminal	Pass	2008	2008
2010	Cannot log on directly as root from remote system/terminal	Pass	2010	2010
2012	Cannot log on directly as root from remote system/terminal	Pass	2012	2012
2014	Cannot log on directly as root from remote system/terminal	Pass	2014	2014
2016	Cannot log on directly as root from remote system/terminal	Pass	2016	2016
2018	Cannot log on directly as root from remote system/terminal	Pass	2018	2018

Page 2 of 8

Info to Web CAA Test Page - Run Test Page

Fig. 20A

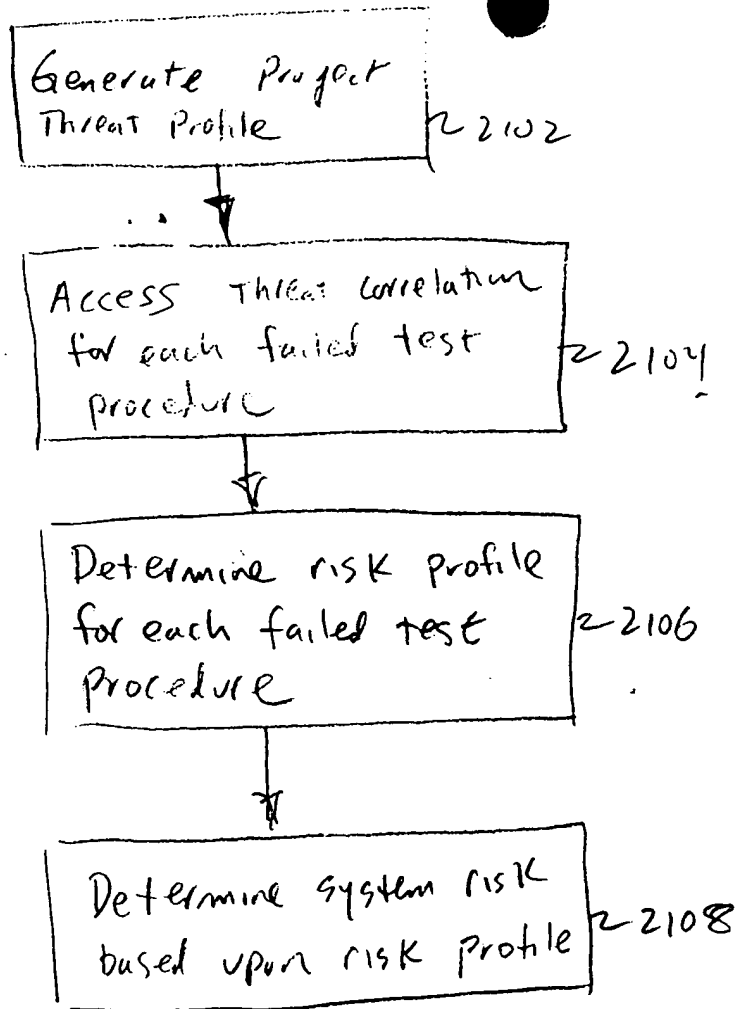


FIG. 21

	Threat Category	Sub-Category	Sub-sub-category
1	Natural Disaster	Fire	
2		Flood	
3		Earthquake	
4		Volcano	
5		Tornado	
6		Lightning	
7	System Failure	Hardware	
8		Power	
9		Communication Link	
10	Environmental Failure	Temperature	
11		Power	
12		Humidity	
13		Sand/Dust	
14		Shock/Vibration	
15	Human Unintentional	Software Design Error	
16		System Design Error	
17		Operator Error	System Administrator
18			Regular User
19			Maintenance Personnel
20	Human Intentional	Authorized Personnel	System Administrators
21			Maintenance Personnel
22			Regular Users
23		Unauthorized Users	Terrorists
24			Hackers
25			Saboteurs
26			Thieves
27			Vandals
28		Physical Combat	
29		Electronic Warfare	

Fig. 22

Xacta Corp. - Web C&A Risk Assessment - Notepad

File Edit View Help

XACTA WEB C&A

PROJECT LIST [] LOG OFF [X]

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Threat Environment Analyze Risk Elements System Level Risk

Project: BIT Project One

Required Field (*) - If applicable

Natural Disaster: 27

File ~1

Flood ~22

Earthquake ~3

Volcano ~24

Tornado ~25

Lightning ~26

System Failure: 27

Hardware ~27

Software ~28

Communication ~29

Environmental Failure: ~10

Temperature ~10

Power ~11

Humidity ~12

Sand/Dust ~13

Vibration/Shock ~14

Human Unintentional ~15

Calculated Value ~2302 User Defined Value ~2304

Low Low Low Low Low Low Low Low Low Negligible Negligible Negligible Negligible Negligible

Low Low Low Low Low Low Low Low Low Negligible Negligible Negligible Negligible Negligible

Negligible Negligible Negligible Negligible Negligible

After filling in the Risk Threat Environment information click the Save button followed by the Forward button on the status bar to continue on to the next step.

Risk Analyze Risk Elements

FORWARD

FIG. 23

If a character position in the project threat profile string is:	And the corresponding character position in the threat correlation string is:	Then the corresponding character position in the Risk Profile String is:
N	Anything	N
L	N	L
L	L	L
L	M	L
L	H	M
M	N	N
M	L	L
M	M	M
M	H	M
H	N	N
H	L	M
H	M	H
H	H	H

FIG. 24

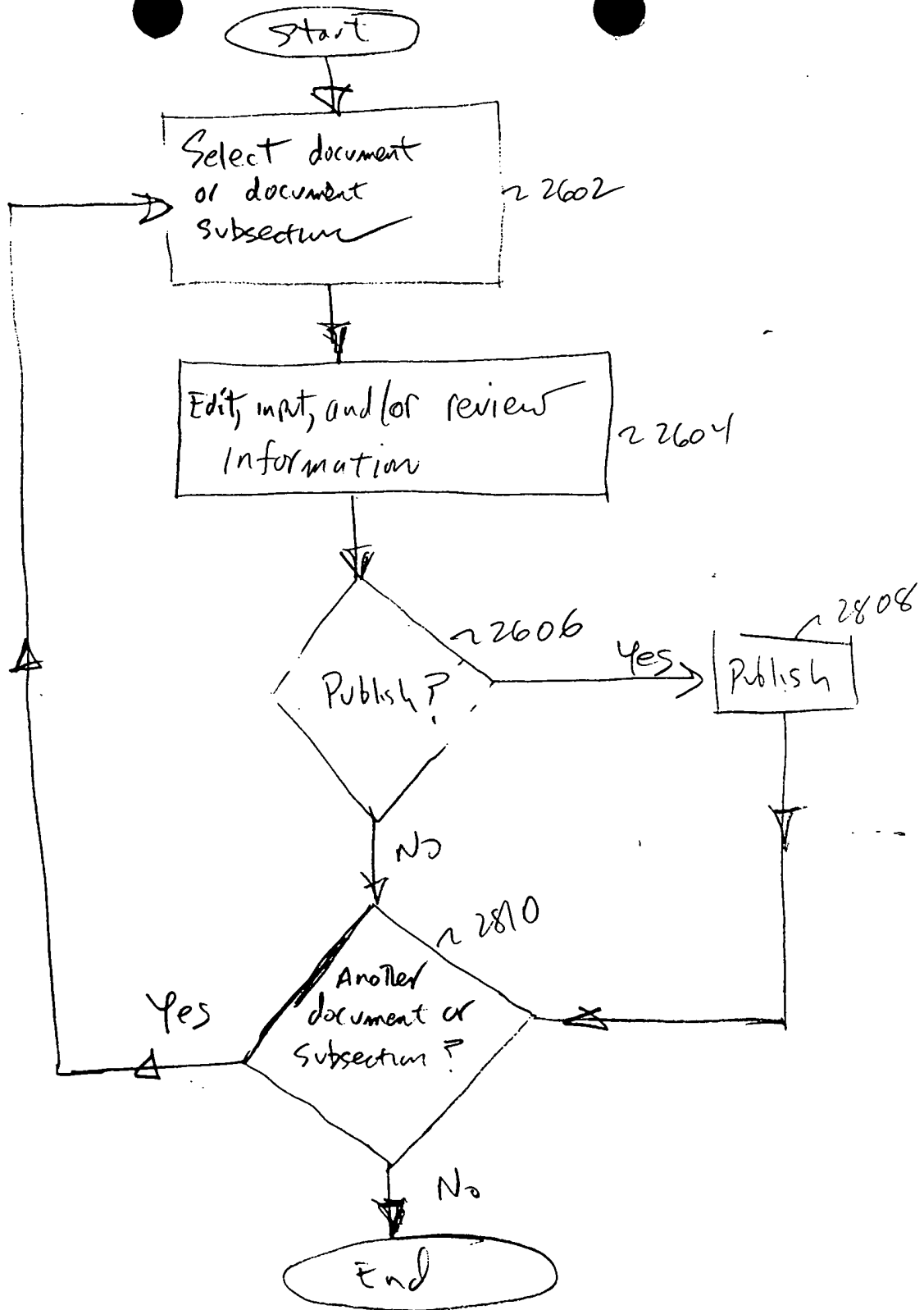


FIG 26

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

SSAA Main Menu - Notepad

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SSAA Main Menu - Notepad

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VIEW

GO

HELP

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

SSAA Main Menu - Notepad

FILE

EDIT

VIEW

GO

HELP

2702

Select on SSAA subsection to work on:

- 1.1 System Name and Identification
- 1.2 System Description
- 1.3 Functional Description
- 1.3.1 System Capabilities
- 1.3.2 System Criticality
- 1.3.3 Classification and Sensitivity of Data Processed
- 1.3.4 System Operator Description and Clearance Levels
- 1.3.5 Life-Cycle of the System
- 1.4 System Concept of Operations
- 2.1 Operational Environment
- 2.1.1 Facility Description
- 2.1.2 Physical Security
- 2.1.3 Administrative Issues
- 2.1.4 Personnel
- 2.1.5 COMSEC
- 2.1.6 TEMPEST
- 2.1.7 Maintenance Procedures
- 2.1.8 Training Plans
- 2.2 System Development and Maintenance Environment
- 2.3 Threat Description

You should begin by selecting SSAA subsection 1.1. After completing that section, move on to 1.2, 1.3, etc. After completing sections 1-6, click the forward arrow on the status bar to move on to the next step.

Publishing:
Main
Appendices
Navigation

Tools | Support | Legal Notices

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FIG. 27

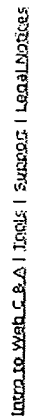


FIG. 28

Appendices Main Menu - Netscape
File Edit View Go Command Help
XACTA WEB C & A
1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING
Classification
Project: M1 Project One
Required/Not (N) - If applicable
Main Appendices Navigation
BACK 4 FORWARD
PROJECT LIST 2 LOG OFF X

2902

Select on Appendix to work on:

- OK
- A. Acronyms
 - B. Definitions
 - C. References
 - D. System Concept of Operations
 - E. Information Security Policy
 - F. Security Requirements Traceability Matrix (SRTM)
 - G. Certification Test and Evaluation Plan and Procedures
 - H. Security Test and Evaluation Plan and Procedures
 - I. Applicable System Development Artifacts or System Documents
 - J. System Rules of Behavior
 - K. Incident Response Plan
 - L. Contingency Plans
 - M. Personnel/Technical Security Controls
 - N. Memoranda of Agreement
 - O. Security Education, Training and Awareness Plan
 - P. Certification Test Results
 - Q. Risk Assessment Results
 - R. Certification and Accreditation Statement

You should begin by selecting Appendices section A, B, or R.

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FIG. 29

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

WYSIWYG

XACTA WEB CEA

PROJECT LIST LOG OFF

1. INFO GATHERING 2. REQUIREMENTS ANALYSIS 3. TESTING 4. RISK ASSESSMENT 5. PUBLISHING

Classification SSAA Appendices

Project: MT Project One

Appendix A

Acronym Description

ACERT Army Computer Emergency Response Team

ADP Automated Data Processing

AIS Automated Information System

ABSP Army Information Systems Security Program

AR Army Regulation

ASAP As soon as possible

ASO Administrator's Security Guide

ATCCS Army Tactical Command and Control System

BAS Battlefield Automation System

BFA Battlefield Functional Area

Page 1 of 10

2902

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FIG. 30

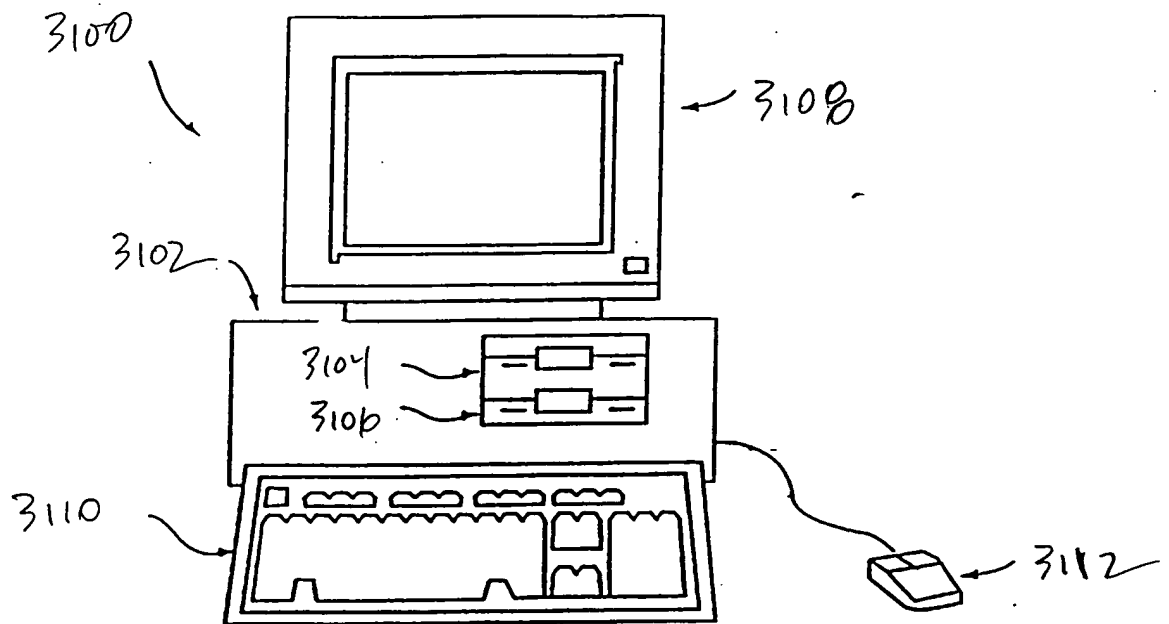


Fig. 31

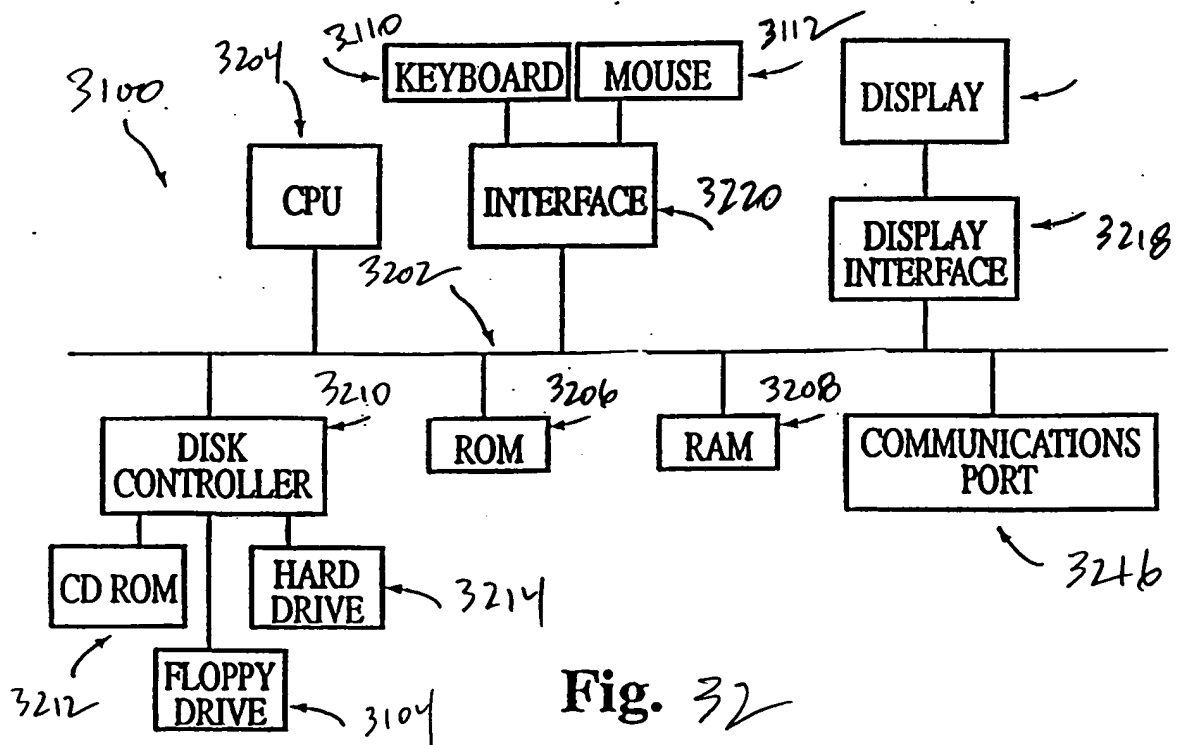


Fig. 32

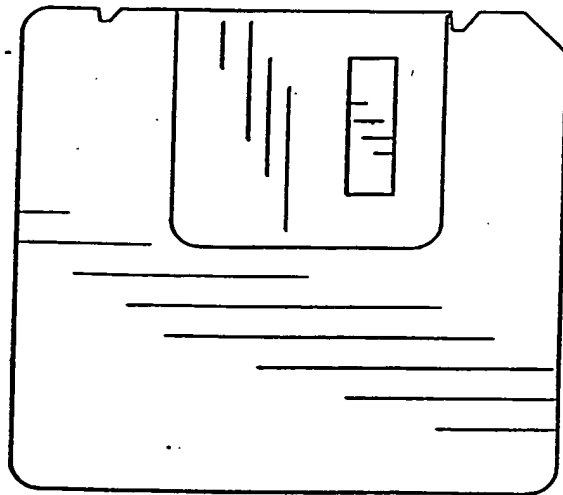


Fig. 33

